

Listing of Claims

1. (Previously Presented) A device for delivering at least one active agent to a localized body surface comprising:
 - a cold water-soluble carrier comprising at least one polymer and at least one plasticizer, and having a first surface and a second surface;
 - a cold water-soluble adhesive disposed on at least a portion of the first surface of the carrier, and having a carrier surface in contact with first surface of the carrier and an application surface opposed to the carrier surface; and
 - a support layer releasably adhered to the second surface of the carrier.
2. (Original) The device of claim 1 wherein the carrier comprises a polymeric film, a woven fabric, a knitted fabric, a nonwoven fabric, an open cell foam or a closed cell foam.
3. (Previously Presented) The device of claim 1 wherein the at least one polymer is made from one or more cold water-soluble monomers.
4. (Original) The device of claim 1 wherein the at least one polymer comprises a polyvinyl alcohol, a polyvinyl pyrrolidone, a protein, a carbohydrate, an alginic acid, a polyethyleneimine, a polyoxyalkylene, a polyacrylate, a polymethacrylate, a polyacrylamide, a polymethacrylamide, a homopolymer of ethenically unsaturated monomers, or a copolymer comprising ethenically unsaturated monomers.
5. (Original) The device of claim 4 wherein the protein is collagen, gelatin, any derivative thereof, or any combination of any of the foregoing.
6. (Original) The device of claim 4 wherein the carbohydrate comprises arabinogalactan.

7. (Previously Presented) The device of claim 1 wherein the at least one plasticizer comprises a monohydric alcohol, a polyhydric alcohol, polyethylene glycol, a polyether, a surfactant, an amide, a lactam, an amine, an amine salt, α -tocopherol, or any mixture including any of the foregoing.
8. (Original) The device of claim 7 wherein the monohydric alcohol is 3-methoxy-3-methyl-1-butanol, alkyl ether ethoxylate, alkyl ester ethoxylate, aryl ether ethoxylate, aryl ester ethoxylate, aralkyl ether ethoxylate, or aralkyl ester ethoxylate.
9. (Original) The device of claim 7 wherein the polyhydric alcohol is glycerin, polyglycerol, alkyl polyglycoside, diethylene glycol, triethylene glycol, polyethylene glycol, a random copolymer of ethylene oxide and propylene oxide, a block copolymer of ethylene oxide and propylene oxide, propylene glycol, sorbitol, a sorbitol ester, butanediol, or an alkoxyated derivative of any of the foregoing.
10. (Original) The device of claim 1 wherein the adhesive comprises a pressure sensitive adhesive.
11. (Previously Presented) The device of claim 10 wherein the pressure sensitive adhesive comprises a mixture of:
- i) at least one cold water-soluble polymer, and
 - ii) at least one plasticizer in an amount sufficient to provide a desired degree of pressure sensitive tack.
12. (Previously Presented) The device of claim 11 wherein the at least one cold water-soluble polymer is made from at least one substantially water-soluble or substantially water-dispersible monomer.
13. (Previously Presented) The device of claim 11 wherein the at least one cold water-soluble polymer is poly(ethylene oxide), a polysaccharide, a polysaccharide derivative, a homopolymer

of ethenically unsaturated monomers, or a copolymer comprising ethenically unsaturated monomers.

14. (Previously Presented) The device of claim 1 wherein the support layer is paper, a polymeric film, a foil, or any combination of the foregoing.

15. (Previously Presented) A system for delivering at least one active agent to a localized body surface comprising:

a cold water-soluble carrier comprising at least one polymer and at least one plasticizer, and having a first surface and a second surface;

a cold water-soluble adhesive disposed on at least a portion of the first surface of the carrier, and having a carrier surface in contact with first surface of the carrier, and an application surface opposed to the carrier surface;

at least one active agent in association with the carrier, the adhesive, or both; and

a support layer releasably adhered to the second surface of the carrier.

16. (Original) The system of claim 15 wherein the at least one active agent is effective for treatment of skin, hair, fingernails, toenails, teeth, or mucosal tissue.

17. (Original) The system of claim 16 wherein the at least one active agent is a dye, a pigment, a bleaching agent, or a hair colorant.

18. (Original) The system of claim 16 wherein the at least one active agent is a breath freshener, hydrogen peroxide, carbamide peroxide, sodium fluoride, sodium monophosphate, pyrophosphate, chlorhexidine gluconate, polyphosphate, triclosan, a flavorant, a fluoridating agent, a teeth whitening agent, a dental stain remover, a plaque remover, or a tartar remover.

19. (Original) The system of claim 16 wherein the at least one active agent is a glitter, an ornamental design, a mask, an applique or a tattoo.

20. (Original) The system of claim 16 wherein the at least one active agent is a fragrance, a perfume, an emollient, a humectant, a conditioner, a moisturizer, a surfactant, an herbal extract, a skin colorant, a color cosmetic, an emulsifier, a skin soothing agent, a skin tightening agent, an artificial tanning agent, a tanning accelerant, an anti-wrinkle agent, an exfolient, a sebum inhibiting agent, a sebum stimulator, a protease inhibitor, an anti-itch ingredient, an agent for inhibiting hair growth, an agent for accelerating hair growth, a hair remover, a skin sensate, a depilating agent or an astringent.

21. (Original) The system of claim 16 wherein the at least one active agent is a sunscreen agent, an insect repellant, an antiperspirant or a deodorant.

22. (Original) The system of claim 16 wherein the at least one active agent is a drug, a vitamin, a hormone, an antioxidant, an anti-inflammatory agent, a steroid, an antipruritic agent, an antifungal agent, an antibiotic, an antimicrobial agent, an antidandruff agent, an antiacne agent, a skin repair agent, a callus remover, a wart remover or a corn remover.

23. (Original) The system of claim 15 wherein the at least one active agent is associated with the carrier.

24. (Original) The system of claim 23 wherein the at least one active agent forms a coating on at least one surface of the carrier.

25. (Original) The system of claim 23 wherein the at least one active agent is dissolved, suspended, or emulsified within the carrier.

26. (Original) The system of claim 15 wherein the at least one active agent is associated with the adhesive.

27. (Original) The system of claim 26 wherein the at least one active agent forms a coating on the application surface of the adhesive.

28. (Original) The system of claim 26 wherein the at least one active agent is dissolved, suspended, or emulsified within the adhesive.
29. (Original) The system of claim 15 wherein the carrier comprises a polymeric film, a woven fabric, a nonwoven fabric, an open cell foam or a closed cell foam.
30. (Previously Presented) The system of claim 15 wherein the at least one polymer is made from one or more cold water-soluble monomers.
31. (Original) The system of claim 15 wherein the at least one polymer comprises a polyvinyl alcohol, a polyvinyl pyrrolidone, a protein, a carbohydrate, an alginic acid, a polyethyleneimine, a polyoxyalkylene, a polyacrylate, a polymethacrylate, a polyacrylamide, a polymethacrylamide, a homopolymer of ethenically unsaturated monomers, or a copolymer comprising ethenically unsaturated monomers.
32. (Original) The system of claim 15 wherein the at least one plasticizer comprises a monohydric alcohol, a polyhydric alcohol, polyethylene glycol, a polyether, a surfactant, an amide, a lactam, an amine, an amine salt, α -tocopherol, or any mixture including any of any of the foregoing.
33. (Original) The system of claim 32 wherein the monohydric alcohol is 3-methoxy-3-methyl-1-butanol, an alkyl ether ethoxylate, an alkyl ester ethoxylate, an aryl ether ethoxylate, an aryl ester ethoxylate, an aralkyl ether ethoxylate, or an aralkyl ester ethoxylate.
34. (Original) The system of claim 32 wherein the polyhydric alcohol is glycerin, a polyglycerol, an alkyl polyglycoside, diethylene glycol, triethylene glycol, a polyethylene glycol, a random copolymer of ethylene oxide and propylene oxide, a block copolymer of ethylene oxide and propylene oxide, propylene glycol, sorbitol, a sorbitol ester, butanediol, or an alkoxyated derivative of any of the foregoing.

35. (Original) The system of claim 15 wherein the adhesive comprises a pressure sensitive adhesive.
36. (Previously Presented) The system of claim 35 wherein the pressure sensitive adhesive comprises a mixture of:
- i) at least one cold water-soluble polymer, and
 - ii) at least one plasticizer in an amount sufficient to provide a desired degree of pressure sensitive tack.
37. (Previously Presented) The system of claim 36 wherein the at least one cold water-soluble polymer is made from at least one cold water-soluble or cold water-dispersible monomer.
38. (Previously Presented) The device of claim 36 wherein the at least one cold water-soluble polymer comprises poly(ethylene oxide), a polysaccharide, a polysaccharide derivative, a homopolymer of ethenically unsaturated monomers, or a copolymer comprising ethenically unsaturated monomers.
39. (Previously Presented) The system of claim 15 wherein the support layer is paper, a polymeric film, a foil, or any combination of any of the foregoing.
- 40-50. (Canceled)